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l	APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
	10/769,838	02/02/2004	William R. Dunn	73538-020501	9094	
	*****	68651 7590 03/09/2007 GREENBERG TRAURIG, LLP			EXAMINER	
(UASC & APC) 2450 COLORADO AVENUE SUITE 400E SANTA MONICA, CA 90404				DUDEK, JAMES A		
				ART UNIT	PAPER NUMBER	
			2871			
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l	SHORTENED STATUTOR	Y PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE		
3 MONTHS		NTHS	03/09/2007	PAPER		

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

	Application No.	Applicant(s)			
,	10/769,838	DUNN ET AL.			
Office Action Summary	Examiner	Art Unit			
	James A. Dudek	2871			
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with the c	orrespondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).					
Status					
1) Responsive to communication(s) filed on 2/16	Responsive to communication(s) filed on 2/16/07				
	action is non-final.				
3) Since this application is in condition for allowa		secution as to the merits is			
closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims					
4)⊠ Claim(s) <u>13,14 and 16-20</u> is/are pending in the	Olaim(s) 13 14 and 16-20 is/are pending in the application				
	4a) Of the above claim(s) is/are withdrawn from consideration.				
5) Claim(s) is/are allowed.	<u> </u>				
6) Claim(s) <u>13,14 and 16-20</u> is/are rejected.					
7) Claim(s) is/are objected to.					
8) Claim(s) are subject to restriction and/o	or election requirement.				
Application Papers	1				
•					
9) The specification is objected to by the Examiner.					
0) ☐ The drawing(s) filed on <u>02 February 2004</u> is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.					
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).					
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.					
	difficer. Note the attached Office	Action of form 1 10-132.			
Priority under 35 U.S.C. § 119	·				
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 5) Notice of Informal Patent Application Paper No(s)/Mail Date					

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DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

Claim 13-14, 16-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over 062 in view of US 6133979 A (979).

Per claim 13, 062 teaches a front plate [17]; a rear plate [7]; a layer of liquid crystals [not numbered] and a TFT array layer [pixel region array], both interposed between the said front and rear plates [see figure 1]; and at least one thermal sensor integral to the TFT array layer to provide temperature sensing of said layer of liquid crystals [see figure 28 and the paragraph bridging columns 20-21].

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Per claim 14, see column 20, first full paragraph and figure 27. The figure shows two diodes and specification talks of coupling more.

Per claim 16, the sensors are form at the same time as the TFT used for the pixel array. Thus the sensors are applied onto the TFT layer.

Per claims 18 and 20, see column 30, paragraph beginning with "Fig. 43."

Per claim 17, 062 teaches the temperature sensor circuit can also be packaged in the CMOSIC to provide a temperature sensor circuit having a sensitivity substantially equal to that of the thermistor in the operation at 1.5 V, for example. This temperature sensor circuit can provide temperature sensitivity of -6 mV/ degrees C for a temperature range of -10.degree. C. to +60.degree. C. and is suited for mass-production because of its excellent linearity and little dispersion. Although 062 does not teach the exact range or overlapping ranges, the MPEP states "[s]imilarly, a prima facie case of obviousness exists where the claimed ranges and prior art ranges do not overlap but are close enough that one skilled in the art would have expected them to have the same properties. Titanium Metals Corp. of America v. Banner, 778 F.2d 775, 227 USPQ 773 (Fed. Cir. 1985) (Court held as proper a rejection of a claim directed to an alloy of "having 0.8% nickel, 0.3% molybdenum, up to 0.1% iron, balance titanium" as obvious over a reference disclosing alloys of 0.75% nickel, 0.25% molybdenum, balance titanium and 0.94% nickel, 0.31% molybdenum, balance titanium.)" Accordingly, it would have been obvious to one of ordinary skill at the time of invention to increase the temperature at which the cell is capable of operating.

Per claim 19, 062 lacks the sensor hidden under the EMI layer. However 979 shows a sensor hidden under a metal frame 15. Accordingly, it would have been obvious to one of ordinary skill at the time of invention to hide the sensor under the frame of the cell as shown by 979 in order to ensure accurate temperature sensing.

Response to Arguments

Applicant's arguments with respect to the pending claims have been considered but are moot in view of the new ground(s) of rejection.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to James A. Dudek whose telephone number is 571-272-2290. The examiner can normally be reached on 9:00-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Nelms can be reached on 571-272-1787. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) of 571-272-1000.

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